AMENDMENTS TO THE SPECIFICATION

Please delete the paragraphs in the specification beginning at Page 6, line 26 and continuing through Page 10, line 24.

Please add the following paragraphs at Page 6, line 26 of the specification:

In order to accomplish the objects aforementioned, according to a first aspect of the present invention, there is provided a radio base station comprising a traffic control unit, the traffic control unit comprising:

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means,

wherein said traffic control means carries out traffic control of data to be transmitted to a local switch through a transmission path between the radio base station and the local switch for transmitting data between the radio base station and the local switch, from among the data received by said receiving means, and

said traffic control means carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition,

wherein said data takes place in a burst mode at a period proper to the data, and wherein said traffic control means carries out, for the data received by said receiving means, the traffic control such that a cumulative transmission volume in a traffic monitoring period defined by taking account of the proper period does not exceed a volume based on a traffic rate.

According to a second aspect of the present invention, there is provided a traffic control unit for carrying out traffic control of data taking place in a burst mode at a period proper to the data, said traffic control unit comprising:

receiving means for receiving the data;

traffic control means for carrying out the traffic control for the data received by said receiving means such that a cumulative transmission volume in a traffic monitoring period

defined by taking account of said proper period does not exceed an allowed transmission volume based on a traffic rate; and

transmission means for transmitting the data controlled by said traffic control means.

According to a third aspect of the present invention, there is provided a traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data;

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received; and

transmitting the data passing through the traffic control,

wherein the first shared resource is a transmission path between a radio base station and the local switch for transmitting data between the radio base station and the local switch, and the second shared resource includes at east a part of the transmission path between the radio base station and the local switch, and

said step of carrying out traffic control carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition.

According to a fourth aspect of the present invention, there is provided a traffic control method for carrying out traffic control of data taking place in a burst mode at a period proper to the data, said traffic control method comprising the steps of:

receiving the data:

carrying out the traffic control of the data received such that a cumulative transmission volume in a traffic monitoring period defined by taking account of the proper period does not exceed an allowed transmission volume based on a traffic rate; and

transmitting the data passing through said traffic control.

According to a fifth aspect of the present invention, there is provided a LAN comprising a traffic control unit, the traffic control unit comprising:

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means, and

wherein said traffic control means carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition.

According to a sixth aspect of the present invention, there is provided a PBX comprising a traffic control unit, the traffic control unit comprising;

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means, and

wherein said traffic control means carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition.

According to a seventh aspect of the present invention, there is provided a gateway switch comprising a traffic control unit, the traffic control unit comprising:

receiving means for receiving data;

traffic control means for carrying out traffic control of the data received by said receiving means; and

transmission means for transmitting the data passing through the traffic control by said traffic control means, and

wherein said traffic control means carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition.

According to an eighth aspect of the present invention, there is provided a traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data;

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received: and

transmitting the data passing through the traffic control,

wherein the first shared resource is a LAN, and the second shared resource includes at least a part of the transmission path between the LAN and the local switch, and

said step of carrying out traffic control carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition.

According to a ninth aspect of the present invention, there is provided a traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data;

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received; and

transmitting the data passing through the traffic control,

wherein the first shared resource is a PBX, and the second shared resource includes at least a part of the transmission path between the PBX and the local switch, and

said step of carrying out traffic control carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition.

According to a tenth aspect of the present invention, there is provided a traffic control method for carrying out traffic control of data in a first shared resource of a network including besides the first shared resource, a second shared resource and a local switch, which are shared by a plurality of users, said traffic control method comprising the steps of:

receiving the data;

carrying out traffic control of data to be transmitted to said local switch through said second shared resource from among the data received; and

transmitting the data passing through the traffic control,

wherein the first shared resource is a gateway switch, a transmission path between the gateway switch and the local switch for transmitting data between the gateway switch and the

Page 5 of 19

local switch, or a transmission path between the gateway switch and another network other than said network for transmitting data between the gateway switch and said another network, and the second shared resource includes at least a part of the transmission path between the gateway switch and the local switch, and

said step of carrying out traffic control carries out the traffic control by discarding data unconformable to traffic condition, or regulating transmission of the data unconformable to the traffic condition to meet the traffic condition.